

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

671302-2002

First Inventor

Toshiyuki TAKAI, et al.

Title

NON-HUMAN ANIMAL OF MODEL OLIGODENDROCYTE  
DEVELOPMENTAL DISORDER

Express Mail Label No.

EV 287820523 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**Mail Stop Patent Application  
Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages: 30; spec pages 1-27, Claims, pages 28-29, 1 page Abstract, page 30]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix.
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s)(35 U.S.C. 113) [Total Sheets 6]
5. Oath or Declaration [Total Pages 3]
  - a.  (UNSIGNED)
  - b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76.

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CFR)
  - b. Specification sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

16834 U.S. PTO  
10/7/12 11:18  
1303

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & documents(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)
11.  Power of Attorney
12.  English Translation Document (if applicable)
13.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
14.  Preliminary Amendment
15.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
16.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
17.  Request and Certification under 35 U.S.C. 122(b)(2)(B)(i).  
Applicant must attach from PTO/SB/35 or its equivalent.
18.  Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No.: PCT/JP02/04405 filed

May 2, 2002

Prior application information: Examiner:

Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label **20999**  
PATENT TRADEMARK OFFICE  or  Correspondence address below

Name	Thomas J. Kowalski				
Address	FROMMER LAWRENCE & HAUG LLP, 745 Fifth Avenue				
City	New York	State	NY	Zip Code	10151
Country	United States of America	Telephone	(212) 588-0800	Fax	(212) 588-0500

Name (Print/Type)	Thomas J. Kowalski	Registration No. (Attorney/Agent)	32,147	
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Signature	Thomas J. Kowalski	Date	November 13, 2003	
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22764  
U.S.P.T.O.  
**FEE TRANSMITTAL  
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$770.00)

## Complete if Known

Application Number	To Be Assigned
Filing Date	HEREWITH
First Named Inventor	Toshiyuki TAKAI, et al.
Examiner Name	To be assigned

Attorney Docket No.

671302-2002

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  Other  None

 Deposit Account:

Deposit Account Number

50-0320

Deposit Account Name

Frommer Lawrence &amp; Haug LLP

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee	Code	Fee	Code		
1001	770	2001	385	Utility filing fee	770.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)		(\$770.00)			

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	18	-20** =	Extra Claims	Fee from below	Fee Paid
			0	X 18.00	= 000.00
Independent Claims	1	-3** =	0	X 86.00	= 000.00
			X		=

Large Entity		Small Entity		Fee Description	Fee Paid
Fee	Code	Fee	Code		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		(\$000.00)		SUBTOTAL (3)	

\*\* or number previously paid, if greater; For Reissues, see above

\* Reduced by Basic Filing Fee

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Signature	Thomas J. Kowalski, Esq.	Registration No. (Attorney/Agent)	32,147	Telephone (212) 588-0800
				Date	11/13/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggesting or reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop AFC/Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**CERTIFICATE OF MAILING - SEPARATE PAPER - PATENT APPLICATION**

Attorney Docket No.: 671302-2002

Title : NON-HUMAN ANIMAL MODEL OF OLIGODENDROCYTE DEVELOPMENTAL DISORDER

Filed : Herewith

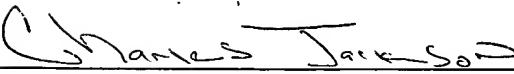
Applicants : Toshiyuki TAKAI, et al.

Mailed: **November 13, 2003** via "Express Mail Label # **EV 287820523 US**

I hereby certify that the Patent Application for the above-referenced application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to:

**MAIL STOP PATENT APPLICATION  
Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**Enclosed:** Utility Patent Application (total 30 pages, specification pages 1-27, claims page 28-29, abstract page 30)  
Figures 1-6 (6 sheets)  
Utility Patent Application Transmittal  
Fee Transmittal  
Declaration and Power of Attorney (unsigned)  
Check Number 029169 in the amount of \$770.00 (to cover filing fee)  
Sequence Listing (2 pages) and diskette  
Return Receipt Postcard

  
(Type/printed name of person mailing paper or fee)

  
\_\_\_\_\_  
Signature